

FBL19 (P-13): sc-136682

BACKGROUND

F-box proteins are critical components of the SCF (Skp1-CUL-1-F-box protein) type E3 ubiquitin ligase complex and are involved in substrate recognition and recruitment for ubiquitination. They are members of a larger family of proteins that are involved in the regulation of a wide variety of cellular processes (including the cell cycle, immune responses, signaling cascades and developmental events) through the targeting of proteins, such as cyclins, cyclin-dependent kinase inhibitors, I κ B- α and β -catenin, for proteasomal degradation. FBL19 (F-box and leucine-rich repeat protein 19), also known as Fbl19 or JHDM1C, is a 674 amino acid protein that contains a CXXC-type zinc finger, a F-box domain, four LRR (leucine-rich) repeats and PHD-type zinc finger. FBL19 functions as a component of the SCF complex, possibly playing a role in the ubiquitination and subsequent degradation of target proteins.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: FBXL19 (human) mapping to 16p11.2; Fbx19 (mouse) mapping to 7 F3.

SOURCE

FBL19 (P-13) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of FBL19 of human origin.

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

PRODUCT

Each vial contains 200 μ g IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-136682 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

FBL19 (P-13) is recommended for detection of FBL19 isoforms 1 and 2 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000); non cross-reactive with other FBL family members.

Suitable for use as control antibody for FBL19 siRNA (h): sc-93321, FBXL19 siRNA (m): sc-145099, FBL19 shRNA Plasmid (h): sc-93321-SH, FBXL19 shRNA Plasmid (m): sc-145099-SH, FBL19 shRNA (h) Lentiviral Particles: sc-93321-V and FBXL19 shRNA (m) Lentiviral Particles: sc-145099-V.

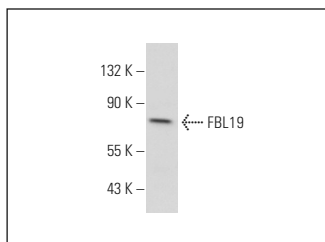
Molecular Weight of FBL19: 74 kDa.

Positive Controls: mouse testis extract: sc-2405.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

DATA



FBL19 (P-13): sc-136682. Western blot analysis of FBL19 expression in mouse testis tissue extract.

RESEARCH USE

For research use only, not for use in diagnostic procedures.